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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/720,287	11/25/2003	Thomas R. Boyer	4450-0416P	4765
47372 75	590 06/30/2005	EXAM	EXAMINER	
•	WART, KOLASCH	PICARDAT	PICARDAT, KEVIN M	
8110 GATEHOUSE ROAD SUITE 100 EAST			ART UNIT	PAPER NUMBER
00112 111	CH, VA 22042-1248		2822	

DATE MAILED: 06/30/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	A 1! 4/ - \				
	Application No.	Applicant(s)				
	10/720,287	BOYER ET AL.				
Office Action Summary	Examiner	Art Unit				
	Kevin M. Picardat	2822				
The MAILING DATE of this communication appe Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period wi - Failure to reply within the set or extended period for reply will, by statute, - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	6(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days Ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1)⊠ Responsive to communication(s) filed on 25 No	ovember 2003.					
	action is non-final.					
3) Since this application is in condition for allowan	ce except for formal matters, pro	secution as to the merits is				
closed in accordance with the practice under Ex	x parte Quayle, 1935 C.D. 11, 45	3 O.G. 213.				
Disposition of Claims						
4) Claim(s) 16-19 is/are pending in the application						
4a) Of the above claim(s) is/are withdraw	n from consideration.					
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>16-19</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or	election requirement.					
Application Papers						
9)☐ The specification is objected to by the Examiner	•					
10)⊠ The drawing(s) filed on <u>25 November 2003</u> is/ar	10)⊠ The drawing(s) filed on <u>25 November 2003</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.					
Applicant may not request that any objection to the d		` '				
Replacement drawing sheet(s) including the correction	, .	` '				
11)☐ The oath or declaration is objected to by the Exa	aminer. Note the attached Office	Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
12)☐ Acknowledgment is made of a claim for foreign ¡ a)☐ All b)☐ Some * c)☐ None of:	oriority under 35 U.S.C. § 119(a)	-(d) or (f).				
1. Certified copies of the priority documents						
2. Certified copies of the priority documents	• •					
3. Copies of the certified copies of the priori		d in this National Stage				
application from the International Bureau		_				
* See the attached detailed Office action for a list of	or the certified copies not receive	a.				
Attachment(s)						
1) X Notice of References Cited (PTO-892)	4) Interview Summary	(PTO-413)				
2) D Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da	ite				
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date <u>11-25-03</u> .	6) Other:	atent Application (PTO-152)				

Application/Control Number: 10/720,287

Art Unit: 2822

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 16-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cromwell US 6,084,178, in view of Verdiell US 6,252,726.

Cromwell discloses a method of forming an assembly to a PCB (15) including a heatsink (1) having a base plate portion and a plurality of fins (2), a component (3) having at least one lead, and at least one support block (13), including connecting the component to the heatsink, interposing the support block between the heatsink and the PCB, and connecting the heatsink to the PCB, wherein a portion of a connection force connecting the heatsink to the PCB is transferred through the support block to couple the lead of the component to a pad of the PCB, also support connects to the heatsink, and the assembly may be temporary (see figs. 1-3 and related text).

Cromwell does not disclose that the component is a laser diode or that an optic cable is connected to the laser diode to receive an optical signal from the laser diode.

Verdiell discloses forming an assembly for a laser diode (255) and an optic cable (280).

Therefore it would have been obvious to one of ordinary skill in the art to use the laser diode and optic cable of Verdiell in the assembly of Cromwell, because it allows for the easy replacement of a component should it become defective.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kevin M. Picardat whose telephone number is 571-272-1841. The examiner can normally be reached on Monday-Thursday 7:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Amir Zarabian can be reached on 571-272-1852. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Kevin M. Picardat Primary Examiner

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